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Via UPS

April 10, 2001

Robert C. Meier  
2975 Clear Creek Drive  
Cuyahoga Falls, Ohio 44223

Re: U.S. Patent Application of Robert C. Meier Entitled "MOBILE VIRTUAL LAN"  
Filed May 12, 2000, Our Docket DN38499R; and  
U.S. Patent Application of Robert C. Meier with the former title: "MOBILE  
VIRTUAL PRIVATE NETWORK SYSTEM AND METHOD" Filed December  
2, 2000, Our Docket 38473R1.

Dear Bob:

Thank you very much for your telephone call of March 28, 2001, and for returning the signed Declaration and Assignment in the earlier case DN38449R.

With respect to the second case, since you objected to the title, we are proposing to change the title to "MOBILE VIRTUAL NETWORK SYSTEM AND METHOD". The enclosed new Declaration refers to an amendment of the title, which we sent to the Patent Office on April 10, 2001, and a copy of which amendment is attached to the enclosed Declaration.

We enclose a copy of our previous letter of March 8, 2001 with respect to execution of the second case 38473R1, and a stamped return envelope for returning the signed Declaration and Assignment. (As before, it seems reasonable not to have the Assignment notarized, if notarization is not convenient.)

Thanks again for your telephone call, and for the return of the papers re the first case.

If you have any further questions or comments, please do not hesitate to give me a call at (19) 369-3661.

Very truly yours,

A handwritten signature in cursive script that reads "Jack".

John H. Sherman

JHS/ysc

- Enclosures:
- (1) New Declaration with attached copy of Amendment Changing the Title of the Application.
  - (2) New Assignment (Showing the Amended Title)
  - (3) Copy of our letter of March 8, 2001 re Execution of the Declaration and Assignment.
  - (4) Copy of the Application for your files.
  - (5) Return Envelope with Postage for the Return of the Signed Declaration and Assignment.

cc: James D. Bennett, Esq. (w/o encls.)

**PATENT APPLICATION**  
(Attorney Docket No. 38473R1)

**IN THE UNITED STATES  
PATENT AND TRADEMARK OFFICE**

**In re application of:** Robert C. Meier

**Serial Number:** 09/729,676

**Filed:** December 2, 2000

Assistant Commissioner for Patents  
Washington, DC 20231

SIR:

**Attention: Initial Patent Examination Division**

**PRELIMINARY AMENDMENT**

Please change the title of the Application to read:

--Mobile Virtual Network System and Method--

Please add the ABSTRACT OF THE DISCLOSURE on the following page, as the last page of the specification.

**CERTIFICATE OF MAILING**

I hereby certify that on the date shown below, this PRELIMINARY AMENDMENT consisting of four pages, is being deposited with sufficient postage with the United States Postal Service as First Class Mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, DC 20231.

Date: April 10, 2001

  
John H. Sherman, Reg. No. 16,909

## ABSTRACT OF THE DISCLOSURE

A communication system in which multiple protocols and proxy services are executed by an access point. In one embodiment of the invention, GVRP and GMRP registrations are combined in a single packet when a wireless device roams to a different  
5 VLAN. In addition, outbound GVRP and GMRP multicast messages are handled by an access point (also referred to as a GVRP and GMRP "gateway") such that the wireless device is not burdened with the associated computational overhead. In a further embodiment, a wireless device may dynamically switch between a VLAN-aware state and a VLAN-unaware state depending on the nature of a detected access point. For  
10 example, if a relevant access point supports GVRP, the wireless device may operate as a VLAN terminal. If a wireless device is not attached to an access point with a matching VLAN ID, the wireless device sends and receives VLAN tagged frames. If a wireless device configured with a VLAN ID is attached to an access point with a matching VLAN ID, or if the wireless device is attached to a non-VLAN access point, then the wireless  
15 device may send and receive raw/untagged frames. In addition to the gateways described below, the ability of a wireless device to detect when it can send untagged frames is considered novel. In another embodiment of the invention, a special ID that is different than the native VLAN ID for a switch port is used for VLAN-unaware devices. This allows such devices that do not issue tagged frames to belong to a single VLAN ID.

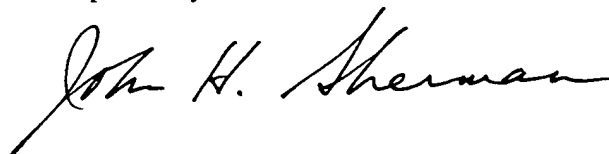
**REMARKS**

By the present amendment, the title is being changed so as to better reflect the claim of the application.

The Abstract submitted herewith is similar to that being presented in Robert C. Meier application No. 09/569,548 filed May 12, 2000 which has the same title as the newly proposed title herein.

In case it may be required, attached hereto is a marked-up version of the changes made to the title by the current amendment. The attached page is captioned **"Version with marking to show changes made."**

Respectfully,

A handwritten signature in cursive script that reads "John H. Sherman". The signature is written in dark ink and is positioned above a horizontal line.

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John H. Sherman, Reg. No. 16,909  
Legal Department  
Intermec Technologies Corporation  
Cedar Rapids, IA 52401

Application No. 09/729,676

Attorney Docket  
No. 38743R1

**VERSION WITH MARKING TO SHOW CHANGES MADE**

**In the specification:**

Page 1, please change the title to read:

**-- Mobile Virtual ~~Private~~ Network System and Method --**

**ASSIGNMENT**

WHEREAS, I, Robert C. Meier, residing at 2975 Clear Creek Drive, Cuyahoga Falls, Ohio 44223, have made certain new and useful inventions in

**"Mobile Virtual Network System and Method"  
(as amended 4/10/2001)**

as disclosed or intended to be disclosed and set forth in a nonprovisional application for a United States Patent, Application No. 09/729,676, filed December 2, 2000.

WHEREAS, said nonprovisional application claims priority from United States provisional applications, Application No. 60/133,996 filed 05/13/99, and Application No. 60/168,607 filed 12/02/99, (said nonprovisional and provisional applications being hereinafter referred to as "said Applications").

WHEREAS, INTERMEC IP CORP., a corporation organized and existing under the laws of the State of Delaware, and having a place of business at Woodland Hills, California (hereinafter called the "Assignee") is desirous of acquiring the entire interest in all inventions disclosed or intended to be disclosed in said Applications.

NOW, THEREFORE, in consideration of the sum of one dollar (\$1.00) and other good and valuable considerations to me paid by said Assignee, the receipt and sufficiency whereof is hereby acknowledged, I do hereby sell, assign, and transfer unto said Assignee, its successors and assigns, the entire right, title and interest throughout the world in and to all said inventions disclosed or intended to be disclosed in said Applications; and in and to said Applications, including all priority rights for other countries or international or regional intergovernmental organizations arising from said Applications, and in and to all substitutions, divisions, and continuations thereof; and in and to all Letters Patent, United States and foreign, that may be granted for said inventions; and in and to all extensions, reexaminations, and reissues thereof.

And I do hereby authorize and request the Commissioner of Patents and Trademarks of the United States and the duly constituted authorities of foreign countries to issue any Letters Patent which may be granted on said inventions, on any applications related thereto, and on any substitute, continuing, divisional, or reissue applications, or any of them, to said Assignee, its successors and assigns, as assignee of the entire right, title and interest therein and thereto. I authorize insertion of U.S. Application No. hereinabove to further identify the nonprovisional application for patent.

And for the consideration aforesaid, I do hereby, for me and for my legal representatives, further covenant and agree with said Assignee, its successors and assigns,

And for the consideration aforesaid, I do hereby, for me and for my legal representatives, further covenant and agree with said Assignee, its successors and assigns, that upon request we will execute substitute, continuing, divisional, or reissue applications, amended specifications, or rightful oaths; communicate to said Assignee, its successors or assigns, any facts known to me relating to said inventions or the history thereof; execute preliminary statements; testify in any interference or other legal proceedings involving said inventions; execute and deliver any application papers, assignments, or other instruments, and do all other acts which, in the opinion of counsel for said Assignee, may be necessary or convenient to secure the grant of Letters Patent to said Assignee, its successors and assigns, or its nominees, in the United States and in all other countries where said Assignee may desire to have the said inventions, or any of them, patented, with specifications and claims in such form as shall be approved by counsel for said Assignee, and to vest and confirm and complete legal and equitable title to all such inventions, applications, and Letters Patent, and to enable it to record said title, without further consideration than now paid but at the expense of said Assignee, its successors or assigns.

Robert C. Meier

UNITED STATES OF AMERICA )  
 )  
STATE OF OHIO ) ss:  
 )  
COUNTY OF SUMMIT )

On \_\_\_\_\_, before me, \_\_\_\_\_, personally appeared Robert C. Meier, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature: \_\_\_\_\_  
Notary Public